ZyXEL

Homebound Triple Play Delivery

- 4 ports Auto Crossover MDI/MDI-X 10/100 Mbps and 1 Port FX Compliant with IEEE 802.3u/x (ES-315-F)
- 5 ports Auto Crossover MDI/MDI-X 10/100 Mbps Compliant with IEEE 802.3u/x (ES-315)
- 1K Layer 2 MAC Addresses Table
- Support 512K bits SRAM for Packet Buffer
- 802.1D Transparent Bridging
- IEEE 802.1Q Tag-based VLAN
- IGMP Snooping
- Fan-less Design
- IGMP Filtering
- MVR

Benefits

Easy 5-port L2 Managed Switch Deployments

ZyXEL ES-315/315-F is a L2 premise-managed Ethernet switch with up to 4 10/100 Mbps auto-crossover MDI/MDI-X ports and 1 FX port or 5 10/100 Mbps auto-crossover MDI/MDI-X ports. With superb performance in network resiliency, QoS, IP multicasting and security, the ES-315/315-F is an ideal triple-play service solution for active Ethernet ETTx deployments aiming at service providers as well as cable, utility and municipality operators.

Secured Service-level IP TV & VoIP Operations

To IP TV and VoIP services, the quality is the key to success. As such ES-315/ES-315-F comes with proven QoS and VLAN functionalities like multi-layer (L2/L3/L4) ACL and 4 priority queues with SP/WRR to ensure smooth operations. For the hottest IP TV services, the ES-315/315-F also supports MVR to work with the IGMP snooping feature that empowers commercial-class IP TV deliveries.

5-port FE Intelligent Layer 2 Managed Switch

ES-315
ES-315-F

Specifications

System Specifications

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX/FX Ethernet
- IEEE 802.ab 1000Base-T Ethernet
- IEEE 802.3z
- IEEE 802.3x Flow control
- IEEE 802.1d Spanning tree protocol
- IEEE 802.1Q VLAN tagging

Performance

- 1 Gbps, non-blocking
- Maximum frame size: 1522 bytes including tag/CRC
- MAC and Packet Buffer
- 1K layer 2 MAC addresses table
- Support 512 K bits SRAM for packet buffer
- Traffic Management and QoS
- 802.1p, 4 egress priority queues
- SPQ, queuing algorithm
- IGMP Snooping v1/v2
- Fast Leave
- Rate limiting
- IGMP snooping per VLAN (IGMPv1/v2 up to 4 VLAN - user configurable), up to 256 groups
- IGMP filtering
- MVR
- Configurable IGMP snooping timer and priority

User Security and Authentication

- Static MAC address filtering
- Static MAC address forwarding

Network Management

- Configuration by telnet/web
- Firmware upgrade by FTP/web
- Configuration backup and restore by FTP/web
- System management access control
- System clock by manual setup or NTP
- Telnet
- SNMP v2c
- ICMP echo/echo reply
- SSH/SSL
- Cisco-like CLI
- MIB Information
- RFC1213
- RFC1493 Bridge MIB
- RFC1155 SMI
- RFC2647 Bridge MIB extension (for 802.1Q)
- ZyXEL Ethernet private MIB for EMS

Hardware Specifications

ES-315

- 5 100Base-TX ports
- Auto-negotiation
- Auto-MDI/MDI-X
- Compliant with 802.3/802.3u
- Back-pressure flow control in half duplex mode
- 802.3x flow control in full duplex mode
- RJ-45 connector

ES-315-F

- 4 ports 100Base-TX + 1 port FX
- Auto-negotiation
- Auto-MDI/MDI-X
- Compliant with 802.3/802.3u
- Back-pressure flow control in half duplex mode
- 802.3x flow control in full duplex model
- RJ-45 connector

Physical Specifications

ES-315

- Dimensions:
  181.2 (W) x 126.7 (D) x 33.2 (H) mm
- Weight: 227 g

ES-315-F

- Dimensions:
  194 (W) x 129.7 (D) x 25.9 (H) mm
- Weight: 325 g

Environmental Specifications

Operating Requirements

- Temperature: 0°C ~ 40°C
- Humidity: 10% ~ 90% (non-condensing)

Storage Requirements

- Temperature: -30°C ~ 60°C
- Humidity: 10% ~ 85% (non-condensing)

Certification

Safety

- UL 60950-1
- CSA 60950-1
- EN 60950-1
- IEC 60950-1

EMC

- FCC Part15 (Class B)
- CE EMC

For more product information, visit us on the web at www.ZyXEL.com

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65-100-031501B 03/08